

EXECUTIVE RECOMMENDATION

Potomac Bi-County Supply Main - No. 934855

Category: **WSSC**
 Agency: **W.S.S.C.**
 Planning Area: **Kensington-Wheaton**
 Relocation Impact:

Date Last Modified: **December 30, 2004**
 Previous PDF Page Number: **22-37-(05 App)**
 Required Adequate Public Facility: **No**

EXPENDITURE SCHEDULE (\$000)

Cost Element	Thru		Est. 6 Year								Beyond	
	Total	FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years	
Planning, Design and Supervision	14,558	1,700	1,500	11,358	1,583	6,200	1,750	750	750	325	0	
Construction	58,355	0	0	58,355	0	6,864	15,000	15,000	15,000	6,491	0	
Other	7,121	0	150	6,971	158	1,306	1,675	1,575	1,575	682	0	
Total	80,034	1,700	1,650	76,684	1,741	14,370	18,425	17,325	17,325	7,498	0	

FUNDING SCHEDULE (\$000)

System Development Charge	80,034	1,700	1,650	76,684	1,741	14,370	18,425	17,325	17,325	7,498	0
WSSC Bonds	0	0	0	0	0	0	0	0	0	0	0

COMPARISON (\$000)

	Total	Thru		Est. 6 Year								Beyond		Approp. Request
		FY04	FY05	Total	FY06	FY07	FY08	FY09	FY10	FY11	6 Years	6 Years		
Current Approved	72,465	2,430	1,980	54,840	1,977	13,218	13,215	13,215	13,215	0	13,215	0		0
Agency Request	80,034	1,700	2,211	76,123	6,680	9,970	17,325	17,325	17,325	7,498	0	6,680		6,680
Recommended	80,034	1,700	1,650	76,684	1,741	14,370	18,425	17,325	17,325	7,498	0	1,741		1,741
CHANGE				TOTAL	%	6-YEAR	%			APPROP.				
Agency Request vs Approved				7,569	10.4%	21,283	38.8%			6,680	0.0%			
Recommended vs Approved				7,569	10.4%	21,844	39.8%			1,741	0.0%			
Recommended vs Request				0	0.0%	561	0.7%			(4,939)	(73.9%)			

Recommendation

APPROVE WITH MODIFICATIONS

Comments

Shift all FY05-FY06 expenditures not related to the alignment study into FY07-08, since it is premature to make any other expenditures until the study is completed.

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
934855	W-127.01	Change

2. Date: October 1, 2004

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

5. Agency: **WSSC**

3. Project Name: Potomac Bi-County Supply Main

4. Program: **Sanitation** 6. Planning Area: Bi-County**E. Annual Operating Budget Impact (000's)**

FY of Impact

Program Costs	Staff	
	Other	
Facility Costs	Maintenance	329	2007
	Debt Service	
Total Costs.....		329	12
Impact on Water or Sewer Rate.....		

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 93
Date First Approved	FY 93
Initial Cost Estimate	63,000
Cost Estimate Last FY	72,465
Present Cost Estimate	80,034
Approved Request, Last FY	1,980
Total Expenditures & Encumbrances	1,700
Approval Request FY 06	6,680
Supplemental Approval Request Current FY (05)	

G. Status Information

Land Status:	Site not determined
% Project Completion:	P-20%
Est. Completion Date:	FY 2011

H. Map Map Reference Code:**AGENCY REQUEST****B. Expenditure Schedule (000's)**

Cost Elements	(8) Total	(9) Thru FY '04	(10) Estimate FY '05	(11) Total 6 Years	(12) Year 1 FY '06	(13) Year 2 FY '07	(14) Year 3 FY '08	(15) Year 4 FY '09	(16) Year 5 FY '10	(17) Year 6 FY '11	(18) Beyond 6 Years
Planning, Design & Supervision	14,558	1,700	2,010	10,848	6,073	2,200	750	750	750	325	
Land											
Site Improvements & Utilities											
Construction	58,355			58,355		6,864	15,000	15,000	15,000	6,491	
Other	7,121		201	6,920	607	906	1,575	1,575	1,575	682	
Total	80,034	1,700	2,211	76,123	6,680	9,970	17,325	17,325	17,325	7,498	

C. Funding Schedule (000's)

SDC	80,034	1,700	2,211	76,123	6,680	9,970	17,325	17,325	17,325	7,498	
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D. Description & Justification**DESCRIPTION**

This project provides for an alignment study, extensive community outreach efforts, and design and construction of approximately 30,200 feet of a proposed 84-inch diameter water main between the intersection of Tuckerman Lane and Route I-270 and the western terminus of the Bi-County Water Tunnel near the area where Rock Creek crosses the Capital Beltway (Maryland Route 495).

Service Area Montgomery Main Pressure Zone HG495, Prince George's High Pressure Zone HG450

JUSTIFICATION**Plans & Studies**

Montgomery and Prince George's Main Zone Facility Plan, Black and Veatch, Inc. (October, 1990); Updated Water Demand Projections (dated April 6, 2001); and the General Plan. Technical Memoranda #1, 2, & 3 (Draft), Louis Berger & Associates (1997).

Specific Data

This project, in conjunction with the Bi-County Water Supply Improvement Project, will significantly increase transmission capacity from the Potomac Water Filtration Plant to the Montgomery County Main Zone and Prince George's County. The alignment study will decide such issues as the alignment and the method of construction (i.e., tunnel vs. open-cut).

Cost Change

Total project cost increased to reflect the actual planning and design contract costs. The construction costs have also been adjusted for inflation.

STATUS Facility Planning (WSSC Contract No. BL9972A94,).

OTHER

The project scope has remained the same. The project was deferred in 1997 and reactivated in late FY2003. A pipe sleeve for the portion of the project right-of-way located on the site of the Rockledge Drive Connector was funded directly by SHA. This is an order of magnitude estimate with a confidence interval of +50% and -30%, assuming entire project is open cut. Tunneling may increase construction costs up to 100%. Once the alignment study is completed and the Councils concur on the alignment and assumed construction methods (i.e. tunneling and/or open cut), cost information in this project may be revised. Land costs included in WSSC Project W-202.00.

COORDINATION

Montgomery County Government, Prince George's County Government, Maryland-National Capital Park & Planning Commission (anticipates receiving Mandatory Referral submissions from the WSSC as this project moves toward final completion of design) and Maryland State Department of Transportation.

NOTE This project supports 100% Growth.